

## PERSHING COUNTY

Only one exploratory well has been drilled in Pershing County. It was drilled in 1984, probably to test for oil that may have been generated from Triassic or younger rocks and migrated to combination structural-stratigraphic traps. Two areas in the southeastern part of the county have reported oil from outcrop samples. At one locality in Favrat Canyon in the Augusta Mountains (sec. 12, T25N, R39E), the chambers of ammonoids found in concretions commonly yield liquid hydrocarbons. The concretions occur in the Fossil Hill Member of the Triassic Favret Formation (Nichols and Silberling, 1977; Bortz, 1983, p. 190-192). At the other locality (sec. 16?, T26N, R39E), in the southern Tobin Range, a liquid hydrocarbon is reported from the chambers of cephalopod shells from the Triassic Favret and Prida Formations, undifferentiated (Burke, 1973, p. 48; Bortz, 1983, p. 190).

### Well Data

#### ARCO OIL & GAS CO.

##### Tobin No. 1

API no.: 27-027-05000

Permit no.: 408

Location: NW¼NE¼ sec. 4, T25N, R39E

1,000 ft from north line, 1,500 ft from east line

Elevation: 3,814 ft

Completed: Dec. 6, 1984

Status: P & A

Depth: 2,065 ft

##### Tops:

Surface	Tertiary sediments
406 ft	pre-Tertiary 2,600 ft volc.
3,050 ft	Paleozoic

##### Logs:

Lithologic	120-2,066 ft
BHCS	850-1,934 ft
DLL/ML	850-1,928 ft
Directional	850-1,940 ft
DM	850-1,940 ft
Sonic waveform	850-1,934 ft

##### Samples:

Cuttings	120-2,060 ft
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## WASHOE COUNTY

Only two wells are reported to have been drilled in Washoe County, and there is some doubt about one of them. Rumors of discoveries and plans for oil developments abounded in the early 1900's (see the bibliography for citations of articles in the Nevada State Journal and the Reno Evening Gazette; also see Anderson, 1909a). Most of these early rumors were probably based on speculation or promotion, or on prognostications by so-called oil experts about the oil potential of an area or areas.

There are no confirmed oil shows in Washoe County, but methane gas (probably of biogenic origin—swamp gas) has been reported from two areas. In 1920, flammable gas was reported from a shallow water well in Honey Lake valley, about 2 miles east of Flanigan

(Moody, 1985, p. 43); this well was probably in sec. 33(?), T27N, R19E. Considerable promotion and speculation followed, but no oil exploration wells are known to have been drilled, although a drill rig purchased from the Black Rock Oil Co. was used near Sulfur in Humboldt County.

Prokopovich (1978, 1983) noted small amounts of biogenic methane gas in shallow drill holes in Pleistocene and Holocene sediments near Pyramid Lake. No other Washoe County methane occurrences are known.

### Well Data

#### UNKNOWN OPERATOR

Peavine Mountain Well

API no.: 27-031-04999

Permit no.: WA2

Location: T19N or T20N, R18E or R19E

Remarks: This well was reportedly drilled on Peavine Mountain (Lintz, 1957a, p. 46).

#### WASHOE OIL & DEVELOPMENT CO.

##### No. 1

API no.: 27-031-05000

Permit no.: WA1

Location: SE¼ sec. 21, T19N, R19E

Elevation: 4,900 ft

Completed: 1908

Status: D & A

Depth: 1,890 ft

##### Tops:

Surface	alluvium
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##### Logs:

Lithologic	0-1,890 ft
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Remarks: This is reputed to be the first well drilled in Nevada.

The location is on a terrace overlooking the Truckee River. Oil and gas shows were reported from this well and may have come from some lacustrine beds. Hot water was reported at 1,173 ft (Lintz, 1957a, p. 45). A 10-inch rusty casing is still visible at the surface.

## WHITE PINE COUNTY

The first known oil well in White Pine County was drilled on the Illipah anticline in 1920, but there was interest at least as early as 1909 (Nevada State Journal, Mar. 15 and Apr. 23, 1909). Shows of oil and gas in the shallow Illipah well encouraged the drilling of several more wells in the vicinity.

The drilling of the Standard-Conoco Meridian Unit No. 1 (fig. 18) in 1950 marked the beginning of modern oil exploration in Nevada. Several more Standard-Conoco wells followed, but little other drilling was done until Gulf Oil Corp. drilled a series of wells in the mid-1960's.

Exploration interest in White Pine County has continued because of the numerous shows and the presence of good potential source rocks. Two surface occurrences of oil are known in Mississippian Chainman Shale in White Pine County. In Hamilton Canyon (sec. 3, T17N, R58E), greenish oil occurs in fossil cavities,

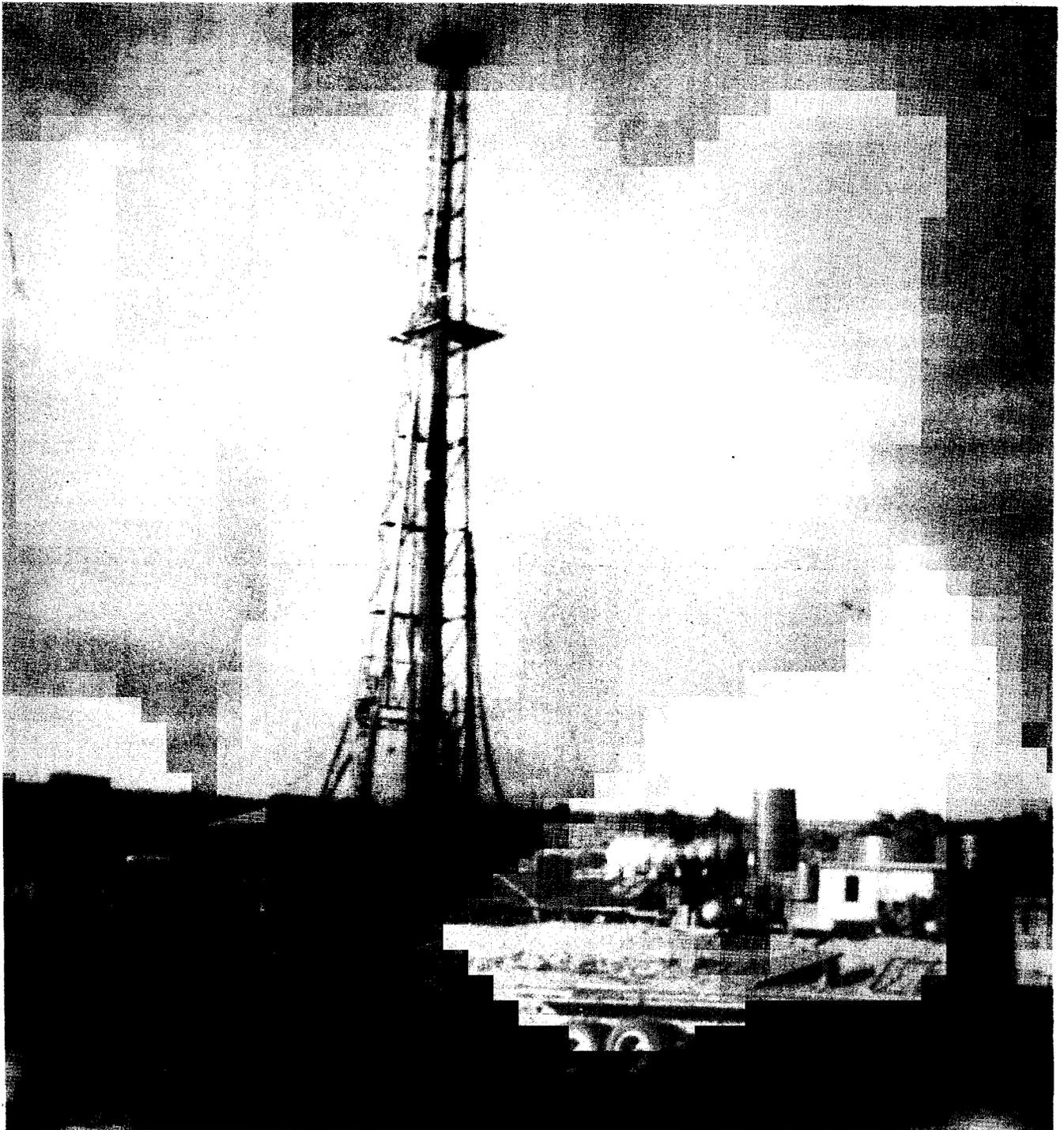


FIGURE 18.—The beginning of modern oil exploration in Nevada. Standard-Conoco Meridian Unit No. 1 during drilling in 1950, White Pine County. *Robert C. Horton photo.*

#### WHITE PINE COUNTY (continued)

voids, calcite veinlets, and on fracture surfaces (Humphrey, 1960, p. 110; Poole and Claypool, 1984). The other occurrence is near Little Antelope Summit where yellowish-green oil occurs along some calcite-lined fractures in a limestone lens that crops out in sec. 34, T18N, R58E (Poole and Claypool, 1984).

#### Well Data

##### AMERADA HESS CORP.

Federal No. 1-20

API no.: 27-033-05235

Permit no.: 262

Location: center, SE $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 20, T12N, R67E

1,980 ft from north line, 1,980 ft from west line

Elevation: 5,752 ft

Completed: Aug. 26, 1979

Status: P & A

Depth: 5,957 ft

Logs:

DIL	1,060-5,951 ft
CNL/FDC	1,060-5,953 ft
BHCS	1,060-5,945 ft
FDC	1,060-5,953 ft
Spectralog	50-5,953 ft

Samples:

Cuttings	30-5,940 ft
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#### AMERICAN HUNTER EXPLORATION

Black Jack Springs Federal No. 1

API no.: 27-033-05243

Permit no.: 300

Location: SE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 23, T14N, R60E

2,488 ft from north line, 279 ft from east line

Elevation: 6,520 ft

Completed: Feb. 2, 1981

Status: P & A

Depth: 8,125 ft

Tops:

Surface	Quaternary valley fill
440 ft	Tertiary volc.
1,728 ft	Mississippian Diamond Peak Fm.
2,320 ft	brown sh.
2,827 ft	Mississippian Joana Ls.
3,320 ft	Mississippian Pilot Sh.
3,462 ft	Devonian Guilmette Ls.
4,858 ft	Devonian Simonson Dol.
5,877 ft	Devonian Sevy Dol.
6,806 ft	Silurian Laketown Dol.
7,688 ft	Ordovician Eureka Qtz.
8,012 ft	Ordovician Pogonip Gp.

Logs:

Lithologic	40-8,125 ft
Directional survey	823-2,838 ft
DM	826-8,142 ft
DIL	0-8,148 ft
CNL/FDC	100-8,140 ft
PL	3,286-8,140 ft
GR	100-8,140 ft
DLL	3,286-8,139 ft

Samples:

Cuttings	0-8,125 ft
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Remarks: Maturation analysis and palynology report available at NBMG.

#### AMERICAN QUASAR PETROLEUM CO.

Long Valley Federal No. 34-1

API no.: 27-033-05230

Permit no.: 228

Location: SE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 34, T22N, R58E

1,400 ft from north line, 300 ft from east line

Elevation: 6,103 ft

Completed: May 12, 1978

Status: P & A

Depth: 6,563 ft

Tops (from PI):

1,050 ft	Tertiary volc.
2,710 ft	Pennsylvanian
2,918 ft	Mississippian Chainman Sh.
4,536 ft	Mississippian Joana Ls.
5,070 ft	Mississippian Pilot Sh.
5,910 ft	Devonian Guilmette Ls.

Logs:

DIL	1,000-5,994 ft
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BHCS	1,000-4,990 ft
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CNL/FDC	1,000-5,003 ft
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GR/N	4,400-6,562 ft
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Samples:

Cuttings	1,090-5,930 ft
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Remarks: Organic-maturation analysis available at NBMG. Oil shows are rumored at approximately 3,000 ft (Hotline Energy Reports, May 11, 1985).

#### AMOCO PRODUCTION CO.

Stage Line Unit No. 1-A

API no.: 27-033-05252

Permit no.: 427

Location: SE $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 22, T23N, R56E

370 ft from south line, 1,750 ft from west line

Elevation: 5,882 ft

Completed: May 24, 1985

Status: P & A

Depth: 8,500 ft

Tops:

Surface	Quaternary valley fill
482 ft	Mississippian Diamond Peak Fm.
902 ft	Mississippian Chainman Sh.
1,800 ft	Mississippian/Devonian Joana Ls.
2,124 ft	Mississippian/Devonian Pilot Sh.
2,382 ft	Devonian Nevada Fm.-
	Devils Gate Ls. Mbr.
3,927 ft	Devonian Nevada Fm.-
	Bay State Dol. Mbr.
4,746 ft	Devonian Nevada Fm.-
	Woodpecker Ls. Mbr.
4,932 ft	Devonian Nevada Fm.-
	Sentinel Mountain Dol. Mbr.
6,794 ft	Devonian Nevada Fm.-
	Oxyoke Canyon Ss. Mbr.
7,000 ft	Devonian Nevada Fm.-
	Beacon Peak Dol. Mbr.
7,228 ft	Silurian/Ordovician (?)

Logs:

Lithologic	60-8,500 ft
GR	879-8,465 ft
DM	6,008-8,495 ft
BHCS	879-8,484 ft
LSS/GR/Cal	6,008-8,484 ft
DI	879-5,006 ft
CNL/FDC	879-8,498 ft
DLL	3,000-8,485 ft
TS	0-2,919 ft
S	6,008-8,484 ft

Samples:

Cuttings	30-8,500 ft
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Remarks: Dead oil and gas show reported at 900-910 ft. Stage Line Unit No. 1 was located 30 ft north of this well. It was P & A at 1,902 ft in depth, no logs, cores, or tests were made. This well is a redrill of Stage Line No. 1. Lithologic log for No. 1 is available at NBMG. Stage Line Unit No. 1-A encountered water sands at 2,696 ft that flowed 60 BWPM and at 2,992 ft that flowed 50 BWPM.

#### COMMODORE RESOURCES

Outlaw Federal No. 1

API no.: 27-033-05245

Permit no.: 337

Location: NE $\frac{1}{4}$ NE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 1, T10N, R70E

860 ft from north line, 810 ft from east line

Elevation: 5,444 ft

Completed: Dec. 13, 1983

Status: P & A

**WHITE PINE COUNTY (continued)***Depth:* 13,000 ft*Logs:*

BHCS	518-12,982 ft
CNL/FDC	5,496-12,991 ft
FIL	518-12,994 ft
DLL	518-12,992 ft

*Remarks:* This well is in Mississippian Chainman at 2,987-3,122 ft, in Mississippian Joana Ls. at 4,669-4,676 ft, and Mississippian at 5,462-5,476 ft. The bottom of the hole is in Ordovician Pogonip Gp. A gas show is reported at approximately 3,000 ft. High molecular weight oil is reported at 12,081-12,090 ft (Hotline Energy Reports, Sept. 25, 1982, and Oct. 9, 1982). Numerous swab tests were made. A sample of heavy tarry material reported from about 12,000 ft was found to be a mixture that included a possible refined petroleum product (Poole and Claypool, 1984, p. 198).

**CONOCO, INC.****Conoco Federal No. 29-1***API no.:* 27-033-05238*Permit no.:* 271*Location:* NE $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 29, T13N, R62E

330 ft from north line, 990 ft from west line

*Elevation:* 5,750 ft*Completed:* Dec. 22, 1979*Status:* P & A*Depth:* 3,145 ft*Tops:*

Surface	valley fill
1,620 ft	Permian

*Logs:*

Litholog	300-3,145 ft
DI	1,047-3,145 ft
BHCS	1,067-3,145 ft

*Samples:*

Cuttings	300-3,136 ft
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*Remarks:* Minor oil show at 1,460 ft.**CONOCO, INC.****Conoco Federal 8 No. 1***API no.:* 27-033-05242*Permit no.:* 288*Location:* center, NW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 8, T12N, R62E

660 ft from north line, 1,980 ft from east line

*Elevation:* 5,635 ft*Completed:* Oct. 20, 1980*Status:* P & A*Depth:* 6,156 ft*Tops:*

Surface	Quaternary valley fill
1,988 ft	Tertiary volc.
4,334 ft	Tertiary(?) basal ss.
4,681 ft	Permian

*Logs:*

Lithologic	60-6,156 ft
DI	1,022-6,150 ft
Directional	1,028-6,149 ft
BHCS	1,022-6,150 ft
DM	1,022-6,150 ft

*Samples:*

Cuttings	0-6,156 ft
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**DOME PETROLEUM CORP.****Bastian Creek No. 1***API no.:* 27-033-05229*Permit no.:* 227*Location:* NE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 24, T15N, R66E*Elevation:* 5,759 ft*Completed:* Feb. 2, 1978*Status:* P & A*Depth:* 4,761 ft*Tops:*

Surface	valley fill(?)
4,100 ft	dol. and ls.
4,550 ft	igneous intrusive

*Logs:*

Lithologic	50-4,761 ft
DI	705-4,759 ft
BHCS/GR/Cal	694-4,761 ft

*Samples:*

Cuttings	50-4,750 ft
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*Remarks:* Trace oil show at 3,050 ft.**DOME PETROLEUM CORP.****Duck Creek No. 1***API no.:* 27-033-05227*Permit no.:* 225*Location:* NW $\frac{1}{4}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 27, T20N, R63E

1,120 ft from south line, 495 ft from west line

*Elevation:* 6,030 ft*Completed:* Jan. 14, 1978*Status:* P & A*Depth:* 9,263 ft*Logs:*

Lithologic	50-9,263 ft
DIL	698-9,265 ft
BHCS	70-9,259 ft

*Samples:*

Cuttings	55-9,263 ft
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*Remarks:* Well rumored to pass from valley fill directly (8,000 ft) into granodiorite.**DOME PETROLEUM CORP.****Grass Springs No. 1***API no.:* 27-033-05228*Permit no.:* 226*Location:* NE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 21, T19N, R63E

630 ft from north line, 985 ft from east line

*Elevation:* 6,017 ft*Completed:* Jan. 11, 1978*Status:* P & A*Depth:* 4,407 ft*Tops:*

Surface	Quaternary valley fill
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*Logs:*

Lithologic	100-4,407 ft
DIL	2,000-4,407 ft
BHCS	60-4,404 ft
CNL/FDC	2,000-4,413 ft

*Samples:*

Cuttings	100-4,405 ft
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*Remarks:* Minor oil shows at 2,690 ft and 2,775 ft. Tertiary source-rock analysis is available for 3,380-3,520 ft at NBMG.**DOME PETROLEUM CORP.****Steptoe Federal No. 1-24***API no.:* 27-033-05244*Permit no.:* 314*Location:* NE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 24, T19N, R63E

633 ft from north line, 660 ft from east line

*Elevation:* 6,100 ft*Completed:* Apr. 25, 1981

Status: P & A

Depth: 6,075 ft

**Tops:**

Surface	valley fill
2,135 ft	Tertiary volc. (tuff)
4,370 ft	Tertiary(?) North Creek Fm.(?)
5,335 ft	Permian-Pennsylvanian carbonate rocks

**Logs:**

Lithologic	1,900-6,075 ft
DIL	777-6,073 ft
FDC/CNL	777-6,073 ft

**Samples:**

Cuttings	2,500-6,075 ft
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Remarks: Possible oil show (very faint fluorescent cut) at 5,335 ft.

**DOME PETROLEUM CORP.**

**Yelland No. 1**

API no.: 27-033-05240

Permit no.: 283

Location: NW ¼SE ¼ sec. 23, T17N, R67E

1,650 ft from south line, 1,650 ft from east line

Elevation: 5,549 ft

Completed: May 5, 1980

Status: P & A

Depth: 6,555 ft

**Tops:**

Surface	valley fill
3,582 ft	Tertiary volc.
4,826 ft	Tertiary(?) Kinsey Canyon Fm.
5,710 ft	Paleozoic(?) fault
5,860 ft	fault(?)

**Logs:**

Lithologic	721-6,555 ft
DI	60-6,555 ft
CNL/FDC	2,000-6,555 ft
BHCS	722-6,548 ft

**Samples:**

Cuttings	42-6,550 ft
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**EL PASO NATIONAL GAS CO.**

**Long Valley No. 35-88**

API no.: 27-033-05059

Permit no.: 102

Location: SE ¼SE ¼SE ¼ sec. 35, T23N, R58E

650 ft from south line, 650 ft from east line

Elevation: 6,330 ft

Completed: Mar. 21, 1967

Status: P & A

Depth: 7,084 ft

**Tops:**

5,876 ft	Paleozoic carbonate rocks
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**Logs:**

Lithologic	0-7,083 ft
DIL	5,835-7,028 ft
IES	495-6,813 ft
SNP	5,600-7,030 ft
GR/FDC	2,500-7,028 ft
BHCS/GR	495-7,061 ft
Computed	6,009-7,030 ft

Remarks: Good oil shows were reported at 15 different intervals from 3,730 ft to TD. Geologic summary available at NBMG. Permian rocks, Ely Ls., and Diamond Peak Fm. reported above 5,876 ft. Gas produced a froth in drilling mud at 3,900-5,833 ft. Complete testing was impossible due to the mechanical condition of the well.

**EMPIRE STATE OIL CO.**

**Government (Indian Springs) No. 1**

API no.: 27-033-05078

Permit no.: 78

Location: center, SW ¼SE ¼ sec. 27, T11N, R61E

660 ft from south line, 1,980 ft from east line

Elevation: 5,410 ft

Completed: Jan. 22, 1965

Status: P & A

Depth: 5,895 ft

**Tops:**

Surface	Quaternary valley fill
1,456 ft	Tertiary volc.
4,728 ft	Mississippian Chainman Sh.
5,369 ft	Mississippian Joana Ls.

**Logs:**

Lithologic	740-5,890 ft
IES	547-5,895 ft
S/GR	1,300-5,893 ft
ML/Cal	1,300-5,894 ft

**EMPIRE STATE OIL CO.**

**Government No. 1**

API no.: 27-033-05001

Permit no.: 75

Location: center, E ½SE ¼NE ¼ sec. 19, T10N, R62E

1,980 ft from north line, 330 ft from east line

Elevation: 5,625 ft

Completed: Oct. 10, 1964

Status: P & A

Depth: 3,581 ft

**Tops (from American Stratigraphic Co.):**

Surface	Quaternary valley fill
1,270 ft	Oligocene Garrett Ranch Volc.
1,972 ft	Eocene Sheep Pass Fm.

**Logs:**

Lithologic	395-3,573 ft
IES	580-3,529 ft
S/GR	670-3,524 ft
ML	580-3,528 ft

**GARY, SAMUEL, OIL PRODUCER**

**Federal No. 30-10**

API no.: 27-033-05241

Permit no.: 286

Location: SW ¼NW ¼SE ¼ sec. 30, T13N, R59E

1,660 ft from south line, 2,715 ft from west line

Elevation: 7,502 ft

Completed: Sept. 8, 1980

Status: P & A

Depth: 5,345 ft

**Logs:**

Lithologic	3,717-5,345 ft
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**Samples:**

Cuttings	80-5,340 ft
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Remarks: Tertiary tuff present from 3,720 ft (not top) to TD.

**GUADALUPE EXPLORATION CORP.**

**Long Valley No. 1**

API no.: 27-033-05214

Permit no.: 157

Location: SW ¼SE ¼ sec. 35, T23N, R58E

661 ft from south line, 1,994 ft from east line

Elevation: 6,337 ft

Completed: Feb. 23, 1974

Status: P & A

Depth: 7,020 ft

**WHITE PINE COUNTY (continued)****Tops (from PI):**

1,265 ft	Permian
1,318 ft	Pennsylvanian
5,465 ft	Mississippian
6,340 ft	Mississippian Joana Ls.
6,635 ft	Devonian Pilot Sh.

**Logs:**

Lithologic	1,450-7,020 ft
DI/GR	0-4,899 ft
Densilog	4,900-6,296 ft

**Samples:**

Cuttings	1,450-7,200 ft
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**Remarks:** Ten oil and gas zones encountered from 3,740 ft to 5,870 ft. Many fresh water sands encountered at 0-4,633 ft. Source-rock analysis reports available at NBMG.

**GULF OIL CORP.****Jake's Wash Unit No. 4**

API no.: 27-033-05224

Permit no.: 175

Location: E $\frac{1}{2}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 9, T14N, R61E

713 ft from north line, 972 ft from west line

Elevation: 6,210 ft

Completed: Aug. 22, 1975

Status: P &amp; A

Depth: 4,600 ft

**Tops:**

Surface	ls. and chert
1,531 ft	sh. and ss.
3,920 ft	Devonian

**Logs:**

DIL	1,523-3,453 ft
CNL/FDC	1,530-3,457 ft
DM	2,380-3,453 ft
Directional	2,381-3,453 ft

**Samples:**

Cuttings	40-4,600 ft
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**GULF OIL CORP.****Newark Valley Unit No. 1 (Nevada-Federal CG)**

API no.: 27-033-05052

Permit no.: 99

Location: center, SW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 11, T19N, R55E

1,980 ft from north line, 660 ft from west line

Elevation: 5,877 ft

Completed: Apr. 14, 1966

Status: P &amp; A

Depth: 5,001 ft

**Tops:**

Surface	valley fill
3,940 ft	base of valley fill
4,936 ft	Paleozoic

**Logs:**

DIL	488-5,043 ft
GR/BHCS	488-5,038 ft
FDC/GR	488-5,046 ft
ML	488-5,046 ft

**GULF OIL CORP. OF CALIFORNIA****Gose "DQ" Federal "A" No. 1**

API no.: 27-033-05201

Permit no.: 120

Location: SE $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 10, T10N, R61E

914 ft from north line, 908 ft from west line

Elevation: 5,382 ft

Completed: Aug. 22, 1968

Status: P &amp; A

Depth: 4,957 ft

**Tops:**

Surface	Quaternary valley fill
1,050 ft	Tertiary volc.
2,393 ft	Eocene Sheep Pass Fm.
3,010 ft	Pennsylvanian Ely Ls.
4,624 ft	Mississippian Chainman Sh.
4,730 ft	Mississippian Joana Ls.

**Logs:**

Lithologic	480-4,950 ft
IES	606-4,946 ft
FDC/GR	900-3,737 ft
SNP	900-3,737 ft
BHCS/GR/Cal	606-4,948 ft
DIL	606-4,946 ft

**GULF OIL CORP. OF CALIFORNIA****Nevada-Federal "A" No. 1**

API no.: 27-033-05053

Permit no.: 90

Location: NW $\frac{1}{4}$ SE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 17, T19N, R64E

4,593 ft from north line, 673 ft from east line

Elevation: 6,186 ft

Completed: Nov. 4, 1965

Status: P &amp; A

Depth: 6,100 ft

**Tops:**

Surface	Quaternary valley fill
2,008 ft	base of valley fill (from PI)
5,890 ft	Paleozoic

**Logs:**

FDC/GR	646-6,097 ft
ML	2,300-6,097 ft
DM	648-6,093 ft
DIL	646-6,092 ft

**Samples:**

Cuttings	0-6,100 ft
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**Remarks:** Tertiary source-rock analysis is available at NBMG. Test data, DST 5,115-5,264 ft, from Petroleum Information.

**GULF OIL CORP. OF CALIFORNIA****Nevada-Federal "BS" No. 1**

API no.: 27-033-05054

Permit no.: 93

Location: NE $\frac{1}{4}$ SE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 14, T20N, R61E

877 ft from south line, 559 ft from east line

Elevation: 6,266 ft

Completed: Jan. 15, 1966

Status: P &amp; A

Depth: 2,978 ft

**Logs:**

BHCS/GR	503-2,973 ft
ML	503-2,980 ft
DIL	503-2,977 ft
DM	503-2,977 ft
FDC/GR	503-2,980 ft

**GULF OIL CORP. OF CALIFORNIA****Nevada-Federal "O" No. 1**

API no.: 27-033-05051

Permit no.: 85

Location: NE $\frac{1}{4}$ SW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 30, T16N, R64E

1,866 ft from north line, 1,960 ft from east line

Elevation: 6,586 ft

Completed: Sept. 4, 1965

Status: P & A  
Depth: 2,690 ft  
Remarks: Abandoned because of lost circulation.

### GULF OIL CORP. OF CALIFORNIA

#### Nevada-Federal "O" No. 2

API no.: 27-033-05050

Permit no.: 92

Location: SW $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 30, T16N, R64E  
990 ft from north line, 330 ft from west line

Elevation: 6,407 ft

Completed: Nov. 30, 1965

Status: P & A

Depth: 3,253 ft

Logs:

DIL	468-3,256 ft
BHCS/GR	468-3,250 ft
ML	468-3,256 ft
FDC/GR	468-3,256 ft
DM	468-3,254 ft

Samples:

Cuttings 0-3,250 ft (incomplete)

### GULF REFINING CO.

#### Dennison-Federal No. 1

API no.: 27-033-05007

Permit no.: 2

Location: NE $\frac{1}{4}$ NW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 20, T26N, R70E  
2,203 ft from south line, 997 ft from west line

Elevation: 5,492 ft

Completed: Mar. 1, 1954

Status: P & A

Depth: 4,498 ft

Tops:

2,215 ft	Permian Gerster-Phosphoria Ls.
3,245 ft	sts.
3,330 ft	ls.
3,350 ft	sh.
3,540 ft	dol.
3,860 ft	ls.
4,030 ft	dol.

Logs:

Lithologic	0-4,502 ft
ES	547-4,502 ft
GR/N	130-4,501 ft

Samples:

Cuttings 0-4,498 ft

Remarks: Fresh water zones at 3,540-3,675 ft and 4,135-4,350 ft. Core descriptions available at NBMG.

### HARPER OIL CO.

#### Conoco Federal No. 19-1

API no.: 27-033-05251

Permit no.: 409

Location: NW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 19, T13N, R62E  
663 ft from north line, 2,429 ft from east line

Elevation: 5,785 ft

Completed: Oct. 17, 1985

Status: P & A

Depth: 4,912 ft

Tops:

Surface	Quaternary valley fill
447 ft	Tertiary volc.
692 ft	Tertiary cgl.
830 ft	Permian talus
943 ft	Permian Arcturus Fm.
2,377 ft	Permian Rib Hill Ss.
2,460 ft	Pennsylvanian Ely Ls.
2,766 ft	Mississippian Chainman Sh.

Logs:

Lithologic	78-4,912 ft
GR	4,300-4,890 ft
Cyberlook	2,000-3,200 ft
Directional	1,084-3,383 ft

Samples:

Cuttings 78-3,726 ft

Remarks: Oil shows, 2,940-3,020 ft, 3,340 ft, and 4,817-4,873. Sidetracked below 2,951 ft. Lost-circulation problems.

### ILLIPAH PETROLEUM SYNDICATE

#### No. 1

API no.: 27-033-05055

Permit no.: WP1

Location: NE $\frac{1}{4}$ SE $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 11, T17N, R58E  
1,100 ft from south line, 250 ft from east line

Elevation: 6,200 ft

Completed: Dec. 15, 1920

Status: P & A

Depth: 929 ft

Tops:

Surface Mississippian Chainman Sh.

Logs:

Lithologic 0-929 ft

Remarks: Gas show at 94-95 ft, oil shows at 395-445 ft and at 895 ft. See Lintz (1957a, p. 61-62).

### ILLIPAH PETROLEUM SYNDICATE

#### No. 2

API no.: 27-033-05056

Permit no.: WP2

Location: E $\frac{1}{2}$ SE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 11, T17N, R58E  
560 ft from south line, 360 ft from east line

Elevation: 6,200 ft

Completed: Oct. 10, 1926

Status: P & A

Depth: 1,572 ft

Tops:

Surface Mississippian Chainman Sh.

Logs:

Lithologic 0-1,572 ft

Remarks: Oil shows at 684-688 ft and 1,151-1,560 ft. Oil and gas show at 401-402 ft, and a gas show at 250-252 ft. See Lintz (1957a, p. 62-63).

### ILLIPAH PETROLEUM SYNDICATE

#### No. 3

API no.: 27-033-05057

Permit no.: WP4

Location: E $\frac{1}{2}$ SE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 11, T17N, R58E  
560 ft from south line, 388 ft from east line

Elevation: 6,200 ft

Completed: Sept. 19, 1928

Status: P & A

Depth: 678 ft

Tops:

Surface Mississippian Chainman Sh.

Remarks: Oil show at 664-678 ft, oil and gas shows at 507-527 ft, and at 400-403 ft.

### ILLIPAH PETROLEUM SYNDICATE

#### No. 4

API no.: 27-033-05058

Permit no.: WP3

Location: E $\frac{1}{2}$ SE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 11, T17N, R58E  
560 ft from south line, 400 ft from east line

Elevation: 6,200 ft

**WHITE PINE COUNTY (continued)***Completed:* Aug. 1928*Status:* P & A*Depth:* 1,302 ft*Tops:*

Surface                      Mississippian Chainman Sh.

*Remarks:* Oil and gas show at 527-530 ft. At times enough gas escaped through the hole to be ignited (Humphrey, 1960, p. 110-111).**KEWANEE OIL AND GAS CO.****Federal Ely No. 1***API no.:* 27-033-05220*Permit no.:* 167*Location:* SE $\frac{1}{4}$ SW $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 8, T15N, R63E  
422 ft from south line, 1,660 ft from east line*Elevation:* 8,200 ft*Completed:* Nov. 4, 1975*Status:* P & A*Depth:* 780 ft*Tops:*Surface                      Mississippian Chainman Sh.  
(to bottom)*Remarks:* Water was encountered at 450 ft. This was only a 6-inch test well.**LOUISIANA LAND & EXPLORATION CO.****U.S.A.-Stephoe Valley No. 1***API no.:* 27-033-05236*Permit no.:* 267*Location:* NE $\frac{1}{4}$ NE $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 16, T23N, R63E  
660 ft from north line, 2,250 ft from west line*Elevation:* 5,910 ft*Completed:* Aug. 20, 1979*Status:* P & A*Depth:* 6,444 ft*Logs:*BHCS                      799-6,417 ft  
TS                          120-6,409 ft  
DIL                          798-6,405 ft*Samples:*

Cuttings                      800-6,450 ft

**MARLIN OIL CO.****Federal No. 1-5***API no.:* 27-033-05250*Permit no.:* 403*Location:* center, SW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 5, T25N, R62E  
660 ft from south line, 660 ft from west line*Elevation:* 6,295 ft*Completed:* Jan. 8, 1985*Status:* P & A*Depth:* 10,530 ft*Tops:*Surface                      Quaternary valley fill  
1,670 ft                      Oligocene volcanic flows  
3,298 ft                      Permian Riepetown Ss.  
5,126 ft                      Permian Pakoon Dol.  
6,052 ft                      Pennsylvanian Ely Fm.  
9,200 ft                      Mississippian Chainman Fm.*Logs:*Lithologic                      1,080-10,530 ft  
DIL                              95-10,520 ft  
CNL/FDC                      4,528-10,524 ft*Samples:*

Cuttings                      1,070-10,530 ft

*Remarks:* Sporadic trace to fair oil shows reported.**NORTHWEST EXPLORATION CO.****Illipah No. 1***API no.:* 27-033-05237*Permit no.:* 269*Location:* center, NE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 11, T17N, R58E  
660 ft from north line, 660 ft from east line*Elevation:* 6,851 ft*Completed:* Jan. 21, 1980*Status:* P & A*Depth:* 7,154 ft*Tops:*Surface                      Mississippian Chainman Sh.  
2,265 ft                      Mississippian Joana Ls.  
3,605 ft                      Mississippian Pilot Sh.  
3,940 ft                      Devonian Guilmette Ls.  
5,905 ft                      Devonian Simonson Dol.  
6,695 ft                      Devonian Sevy Dol.*Logs:*Lithologic                      70-7,154 ft  
DI                              5,297-7,152 ft  
BHCS                          4,893-7,152 ft  
GR/N                          50-5,026 ft*Samples:*

Cuttings                      70-7,150 ft

*Remarks:* Oil shows, especially in top 760 ft. Source-rock analysis available at NBMG.**NORTHWEST EXPLORATION CO.****Jake's Wash No. 5A***API no.:* 27-033-05233*Permit no.:* 237*Location:* NW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 1, T14N, R60E  
1,334 ft from south line, 1,253 ft from west line*Elevation:* 6,445 ft*Completed:* June 14, 1978*Status:* P & A*Depth:* 4,410 ft*Logs:*Driller                      1,630-4,410 ft  
DLL                              1,380-4,376 ft  
FDC/CNL/GR                      2,000-4,389 ft*Samples:*

Cuttings                      70-4,410 ft

*Remarks:* Organic-maturation analysis, Chainman source-rock analysis, and water analysis of DST's are available at NBMG. Oil shows (cut fluorescence) reported.**NORTHWEST EXPLORATION CO.****White River No. 2***API no.:* 27-033-05239*Permit no.:* 274*Location:* center, SE $\frac{1}{4}$  sec. 13, T10N, R61E  
1,320 ft from south line, 1,320 ft from east line*Elevation:* 5,440 ft*Completed:* Mar. 17, 1980*Status:* P & A*Depth:* 7,588 ft*Tops:*Surface                      Quaternary valley fill  
1,571 ft                      Tertiary volc.  
3,845 ft                      Tertiary Stinking Spring Cgl.  
4,170 ft                      Eocene Sheep Pass Fm.  
6,298 ft                      Mississippian Chainman Sh. (fault)  
7,389 ft                      Mississippian Joana Ls.*Logs:*Lithologic                      810-7,588 ft  
DIL                              780-7,568 ft  
BHCS                          780-7,561 ft

DL/N 780-4,959 ft  
GR/FDL 800-7,561 ft  
DM 820-7,577 ft

**Samples:**

Cuttings 70-7,588 ft

**Remarks:** Several oil shows, 6,194-6,340 ft. Oil and gas show in DST at 6,175-6,303 ft. Alternative Tops data are: 3,000 ft—Garrett Ranch Volc., 4,000 ft—fanglomerate, 4,390 ft—slide block or mud flow, 4,530 ft—vitric tuff, and 4,975 ft—Sheep Pass Fm.

**PLACID OIL CO.**

**Step toe Federal No. 17-14**

API no.: 27-033-05249

Permit no.: 397

Location: SE $\frac{1}{4}$ SE $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 17, T24N, R64E  
500 ft from south line, 2,100 ft from west line

Elevation: 5,863 ft

Completed: Oct. 31, 1984

Status: P & A

Depth: 11,700 ft

**Tops:**

Surface	Quaternary valley fill
3,100 ft	Tertiary welded tuffs
7,030 ft	ls.

**Logs:**

Lithologic	550-11,700 ft
DI	2,621-11,709 ft
CNL/FDC	2,621-11,706 ft
BHCS	2,621-11,703 ft
DLL/ML	7,900-9,011 ft

**Samples:**

Cuttings 145-11,700 ft

**Remarks:** Several oil shows below 6,500 ft.

**PYRAMID OIL CO.**

**Jake's Wash No. 5**

API no.: 27-033-05226

Permit no.: 221

Location: SW $\frac{1}{4}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 1, T14N, R60E  
350 ft from south line, 350 ft from west line

Elevation: 6,450 ft

Completed: Nov. 27, 1977

Status: P & A

Depth: 1,665 ft

**Remarks:** This well was abandoned due to severe fishing and caving problems.

**RAM RESOURCES, INC.**

**Long Jevity Federal No. 1**

API no.: 27-033-05254

Permit no.: 437

Location: SW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 28, T22N, R58E  
660 ft from south line, 660 ft from west line

Elevation: 6,162 ft

Completed: Aug. 9, 1985

Status: P & A

Depth: 10,346 ft

**Tops:**

466 ft	Tertiary volc.
2,900 ft	Mississippian Chainman Sh.
3,815 ft	Mississippian Joana Ls.
4,456 ft	Mississippian Pilot Sh.
4,736 ft	Devonian Guilmette Ls.
6,320 ft	Devonian Simonson Dol.
7,068 ft	Devonian Sevy Dol.
8,550 ft	Silurian Laketown Dol.
9,490 ft	Ordovician Fish Haven Dol.

9,905 ft Breccia zone  
(fault/unconformity)

9,997 ft Unnamed ls.

**Logs:**

Lithologic	126-10,346 ft
FIL	4,102-10,341 ft
BHCS	120-10,324 ft
CNL/FDC	2,050-10,324 ft
DLL	120-10,343 ft
DM	2,062-10,341 ft
TS	137-7,839 ft

**Samples:**

Cuttings 126-10,346 ft  
Core 2,039-2,056 ft

**Remarks:** Oil shows reported, the best of which were in the Chainman Sh.

**RAM RESOURCES, INC.**

**Long Shot Federal No. 1**

API no.: 27-033-05255

Permit no.: 438

Location: center, SE $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 23, T22N, R58E  
660 ft from south line, 1,980 ft from west line

Elevation: 6,101 ft

Completed: Sept. 9, 1985

Status: P & A

Depth: 4,577 ft

**Tops:**

800 ft	Tertiary volc.
1,782 ft	Pennsylvanian Ely Ls.
2,351 ft	Mississippian Diamond Peak Fm.
3,290 ft	Mississippian Chainman Sh.

**Logs:**

Lithologic	84-4,577 ft
DM	1,012-4,568 ft
CNL/FDC	1,008-4,564 ft
BHCS	37-4,552 ft
DLL	1,008-4,568 ft

**Samples:**

Cuttings 84-4,577 ft

**Remarks:** Several oil shows, especially at 3,350-3,360 ft and 3,970 ft to TD.

**RIGGS, HARRY**

**Robber's Roost No. 28-76**

API no.: 27-033-05060

Permit no.: 104

Location: center, NE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 28, T20N, R59E  
1,994 ft from south line, 655 ft from east line

Elevation: 6,433 ft

Completed: June 2, 1967

Status: P & A

Depth: 6,428 ft

**Logs:**

Lithologic	70-6,428 ft
IES	68-6,425 ft
FDL/GR	68-6,426 ft
DM	68-6,422 ft

**Remarks:** Several oil shows reported.

**ROSS, DWIGHT M.**

**Federal No. 1**

API no.: 27-033-05200

Permit no.: 110

Location: E $\frac{1}{2}$ SE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 25, T11N, R63E  
660 ft from south line, 460 ft from east line

Elevation: 6,500 ft

Completed: Aug. 3, 1967

**WHITE PINE COUNTY (continued)**

Status: P & A  
 Depth: 5,016 ft  
 Tops:

Surface	valley fill
3,370 ft	Sheep Pass Fm.
4,800 ft	Ely Ls.

Logs:  
 IES 326-5,015 ft

**SHELL OIL CO.****Steptoe Unit No. 1**

API no.: 27-033-05225

Permit no.: 177

Location: NE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 19, T24N, R64E

1,098 ft from north line, 600 ft from east line

Elevation: 5,864 ft

Completed: Apr. 13, 1976

Status: P &amp; A

Depth: 8,406 ft

Tops:

2,631 ft	Tertiary volc.
6,870 ft	Paleozoic

Logs:

CNL/FDC	1,998-8,407 ft
DIL	507-8,402 ft
GR/FDC	1,998-8,407 ft
TS	2,040-8,406 ft
PL	2,040-8,404 ft

Samples:

Cuttings 16-8,406 ft

Remarks: Palynology report available at NBMG.

**STANDARD OIL CO. OF CALIFORNIA****County Line Unit No. 1**

API no.: 27-033-05000

Permit no.: 35

Location: center, NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 19, T10N, R62E

673 ft from north line, 680 ft from west line

Elevation: 5,486 ft

Completed: Aug. 28, 1957

Status: P &amp; A

Depth: 4,850 ft

Tops:

Surface	Quaternary valley fill
1,475 ft	Tertiary volc.
2,375 ft	Eocene Sheep Pass Fm.
4,445 ft	Pennsylvanian Ely Ls.

Logs:

Lithologic	400-4,850 ft
DM	710-4,698 ft
ES	568-4,808 ft
ML	568-4,806 ft
GR/N	568-4,805 ft

Samples:

Cuttings 0-4,850 ft

Remarks: Oil shows were reported at 3,848-4,015 ft and 4,064-4,086 ft. A gas show was reported on DST at 4,310-4,350 ft. Source-rock analysis is available at NBMG. See McJannet and Clark (1960a).

**STANDARD-CONOCO****Hayden Creek Unit No. 1**

API no.: 27-033-05003

Permit no.: WP6

Location: center, NE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 17, T15N, R59E

Elevation: 7,361 ft

Completed: May 15, 1951

Status: P &amp; A

Depth: 5,117 ft

Tops:

Surface	Pennsylvanian Ely Ls.
1,586 ft	Mississippian lower Diamond Peak Fm.
2,558 ft	Mississippian Chainman Sh.
3,895 ft	Mississippian Joana Ls.
4,145 ft	Mississippian Pilot Sh.
4,428 ft	Devonian Nevada ls.

Logs:

Lithologic 0-5,117 ft

Samples:

Cuttings	50-4,050 ft
Core	548-5,119 ft (incomplete)

Remarks: Oil shows were found at 1,550-1,554 ft, 2,221-2,226 ft, 2,400-2,404 ft, 3,790-3,795 ft, and 4,038-4,039 ft (Lintz, 1957a, p. 46-47). Source-rock analysis is available at NBMG. See McJannet and Clark (1960b).

**STANDARD-CONOCO****Meridian Unit No. 1**

API no.: 27-033-05004

Permit no.: WP5

Location: SW $\frac{1}{4}$ NE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 31, T16N, R56E

1,680 ft from south line, 3,980 ft from west line

Elevation: 6,401 ft (at DF)

Completed: Nov. 20, 1950

Status: P &amp; A

Depth: 10,314 ft

Tops:

Surface	Mississippian Chainman Sh.
3,597 ft	Mississippian Joana Ls.
3,675 ft	Mississippian Pilot Sh.
3,963 ft	Devonian Nevada ls.
7,943 ft	Silurian Lone Mountain Dol.
10,153 ft	Ordovician Hanson Creek Dol.

Logs:

Lithologic	17-10,314 ft
ES	465-10,312 ft

Samples:

Cuttings 17-10,305 ft

Remarks: Oil shows were reported at 2,272-2,486 ft and 6,419-6,433 ft. A gas show was noted at 8,327-8,342 ft. Chainman and Pilot Shales source-rock analyses are available at NBMG. See McJannet and Clark (1960b).

**STANDARD-CONOCO****Summit Springs Unit No. 1**

API no.: 27-033-05006

Permit no.: WP7

Location: NE $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 32, T20N, R60E

Elevation: 7,260 ft (at DF)

Completed: June 12, 1952

Status: P &amp; A

Depth: 11,543 ft

Tops:

Surface	Permian Arcturus Fm.
8,372 ft	Permian Wolfcampian Series
8,540 ft	Pennsylvanian Ely Ls.
10,985 ft	Mississippian lower Diamond Peak Fm.

Logs:

Lithologic	0-11,543 ft
GR/N	0-11,535 ft

Samples:

Cutting	300-11,440 ft
Core	532-11,543 ft (incomplete)

Remarks: Numerous oil and gas shows were reported on this well. Source-rock analysis is available at NBMG. See McJannet and Clark (1960b).

#### SUNTIDE PETROLEUM, INC.

Nevada Federal "A" No. 1

API no.: 27-033-05005

Permit no.: 74

Location: center, W $\frac{1}{2}$ NW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 23, T18N, R57E

Elevation: 6,588 ft

Completed: Sept. 2, 1964

Status: P & A

Depth: 7,980 ft

Tops (from PI):

1,132 ft	Pennsylvanian Ely Ls.
1,248 ft	Mississippian Chainman Sh.
2,823 ft	Mississippian Joana Ls.
2,982 ft	Devonian Guilmette Ls.
3,882 ft	Devonian Simonson Dol.
5,258 ft	Devonian Sevy Dol.
6,112 ft	Silurian Laketown Dol.
7,300 ft	Ordovician Fish Haven Dol.
7,816 ft	Ordovician Eureka Qtz.

Logs:

GR/N	40-7,983 ft
LL	3,383-7,973 ft
S/Cal	3,385-7,978 ft

Samples:

Cuttings	1,350-4,941 ft
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Remarks: Water zone at 140-308 ft tested to 45 GPM with fluid level at 170 ft. Source-rock analysis available at NBMG.

#### SUNTIDE PETROLEUM, INC.

Nevada Federal No. 1

API no.: 27-033-05002

Permit no.: 53

Location: SE $\frac{1}{4}$ NW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 5, T15N, R57E

665 ft from north line, 1,880 ft from east line

Elevation: 6,675 ft at KB

Completed: Apr. 28, 1961

Status: P & A

Depth: 2,681 ft

Tops (from PI):

Surface	Pennsylvanian Ely Ls.
400 ft	Mississippian Chainman Sh.
1,550 ft	Devonian Guilmette Ls.
2,050 ft	Devonian Simonson Dol.

Logs:

Lithologic	0-2,681 ft
IES	310-1,068 ft
S	50-1,100 ft

Remarks: Fresh water at 360-470 ft.

#### TANNEHILL OIL CO.

Federal N6509 No. 1

API no.: 27-033-05232

Permit no.: 235

Location: center, SW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 10, T19N, R57E

660 ft from south line, 660 ft from west line

Elevation: 6,229 ft

Completed: Sept. 13, 1978

Status: Water well

Depth: 677 ft

Samples:

Cuttings	0-677 ft (incomplete)
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Remarks: Formerly TransOcean Oil, Inc. Fresh water horizon in Ely Ls.

#### TANNEHILL OIL CO.

Federal N6509 No. 2

API no.: 27-033-05234

Permit no.: 243

Location: SE $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 10, T19N, R57E

804 ft from south line, 2,184 ft from west line

Elevation: 6,281 ft

Completed: Oct. 25, 1978

Status: Water well

Depth: 3,003 ft

Tops (from PI):

1,729 ft	Chainman Sh.
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Logs:

Lithologic	700-3,003 ft
DI	310-2,991 ft
Cal	315-1,874 ft
Velocity	310-1,841 ft

Samples:

Cuttings	1,956-3,003 ft
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Remarks: Core and source-rock analyses are available at NBMG. Fresh water horizon in the Ely Ls.

#### TENNECO OIL CO.

GB Core Hole No. 2

API no.: 27-033-05207

Permit no.: 141

Location: center, NE $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 34, T22N, R59E

1,980 ft from south line, 1,980 ft from west line

Elevation: 6,750 ft

Completed: June 3, 1970

Status: P & A

Depth: 365 ft

095Tops:

Surface	alluvium
48 ft	Mississippian Diamond Peak Fm. (to TD)

Logs:

Lithologic	0-365 ft
ES/GR	0-245 ft

Samples:

Cuttings	0-365 ft
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Remarks: Water was encountered at 250 ft. Source-rock analysis is available at NBMG.

#### TENNECO OIL CO.

GB Core Hole No. 3

API no.: 27-033-05208

Permit no.: 142

Location: SE $\frac{1}{4}$ SE $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 25, T21N, R60E

175 ft from south line, 2,350 ft from west line

Elevation: 6,360 ft

Completed: June 20, 1970

Status: P & A

Depth: 956 ft

Tops:

Surface	Quaternary alluvium
20 ft	Pennsylvanian Ely Ls.
250 ft	Mississippian Diamond Peak Fm.

Logs:

Lithologic	0-956 ft
ES/GR	5-951 ft

Samples:

Cuttings	0-950 ft
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Remarks: Water was encountered at 330 ft and at 630 ft. Source-rock analysis is available at NBMG.

#### TENNECO OIL CO.

GB Core Hole No. 4

API no.: 27-033-05209

**WHITE PINE COUNTY (continued)**

Permit no.: 143

Location: SW 1/4 SW 1/4 NE 1/4 sec. 16, T19N, R61E  
2,310 ft from north line, 2,310 ft from east line

Elevation: 6,580 ft

Completed: July 1, 1970

Status: P &amp; A

Depth: 712 ft

Tops:

20 ft Pennsylvania Ely Ls.(TD)

Logs:

Lithologic 0-705 ft

ES/GR 0-690 ft

Samples:

Cuttings 0-520 ft

Cuttings 644-648 ft

Cuttings 710-712 ft

**TENNECO OIL CO.****GB Core Hole No. 6**

API no.: 27-033-05202

Permit no.: 134

Location: center, NE 1/4 sec. 32, T18N, R58E

Elevation: 7,600 ft

Completed: May 25, 1970

Status: P &amp; A

Depth: 920 ft

Tops:

Surface Mississippian Chainman Sh.(TD)

Logs:

Lithologic 0-920 ft

ES/GR 0-901 ft

Samples:

Cuttings 10-920 ft

Remarks: Water was encountered at 105 ft flowing 173 GPM.  
Source-rock analysis is available at NBMG.**TENNECO OIL CO.****GB Core Hole No. 9**

API no.: 27-033-05203

Permit no.: 135

Location: SW 1/4 SW 1/4 NW 1/4 sec. 22, T13N, R61E

2,620 ft from north line, 200 ft from west line

Elevation: 5,960 ft

Completed: Aug. 9, 1970

Status: P &amp; A

Depth: 1,234 ft

Tops:

Surface Quaternary alluvium  
20 ft Pennsylvania Ely Ls.  
703 ft Mississippian Chainman Sh. and  
Diamond Peak Fm.

Logs:

Lithologic 0-1,234 ft

ES/GR 0-1,145 ft

GR/N 100-1,228 ft

Samples:

Cuttings 0-1,234 ft

Remarks: Water was encountered at 214 ft. Source-rock  
analysis available at NBMG.**TENNECO OIL CO.****Illipah Federal No. 1**

API no.: 27-033-05062

Permit no.: 109

Location: N 1/2 NE 1/4 SE 1/4 sec. 21, T18N, R58E

2,025 ft from south line, 660 ft from east line

Elevation: 7,520 ft

Completed: Aug. 21, 1967

Status: P &amp; A Depth: 7,620 ft

Tops (from PI):

Surface Mississippian Chainman Sh.  
970 ft Mississippian Joana Ls.  
? Devonian Guilmette Ls.  
3,400 ft Devonian Simonson Dol.  
5,350 ft Devonian Sevy Dol.  
6,100 ft Silurian Laketown Dol.  
6,790 ft Ordovician Fish Haven Dol.  
7,400 ft Ordovician Eureka Qtz.

Logs:

GR/FDC 986-7,606 ft

BHCS 1,600-7,605 ft

DM 1,500-3,162 ft

SNP 986-7,606 ft

DIL 993-3,676 ft

Remarks: Source-rock analysis is available at NBMG.

**TEXAS AMERICAN OIL CORP.****Jake's Wash Unit No. 2A**

API no.: 27-033-05221

Permit no.: 172

Location: center, NW 1/4 SE 1/4 sec. 14, T14N, R60E

1,980 ft from south line, 1,980 ft from east line

Elevation: 6,550 ft

Completed: Apr. 2, 1975

Status: P &amp; A

Depth: 3,742 ft

Tops (from PI):

950 ft Pennsylvania Ely Ls.

Logs:

GR/N 950-3,075 ft

Samples:

Cuttings 956-3,720 ft

Remarks: Located 80 ft northwest of George G. Witter, Jr.,  
Jake's Wash Unit No. 2.**TEXAS AMERICAN OIL CORP.****Jake's Wash Unit No. 3**

API no.: 27-033-05222

Permit no.: 173

Location: center, N 1/2 NW 1/4 sec. 9, T14N, R61E

660 ft from north line, 1,320 ft from west line

Elevation: 6,210 ft

Completed: July 16, 1975

Status: D &amp; A

Depth: 271 ft

Remarks: Junk in hole.

**TRUE OIL CO.****Hendrickson Federal No. 43-35**

API no.: 27-033-05258

Permit no.: 441

Location: NE 1/4 SE 1/4 sec. 35, T14N, R61E

1,982 ft from south line, 560 ft from east line

Elevation: 5,974 ft

Completed: July 11, 1985

Status: P &amp; A

Depth: 3,250 ft

Tops:

558 ft Ely Ls.

2,058 ft Chainman Sh.

Logs:

Lithologic 0-3,250 ft

DM 1,850-3,241 ft

BHCS 510-3,210 ft

DIL 501-3,241 ft  
Samples:  
Cuttings 0-3,250 ft (incomplete)

**TRUE OIL CO.**

**Langley Federal No. 14-28**

API no.: 27-033-05259

Permit no.: 444

Location: SW ¼ SW ¼ sec. 28, T13N, R61E

658 ft from south line, 661 ft from west line

Elevation: 5,927 ft

Completed: July 19, 1985

Status: P & A

Depth: 2,830 ft

Tops:

Surface Quaternary valley fill  
150(?) ft Tertiary volc.

Logs:

Lithologic 0-1,697 ft

DIL 0-612 ft

Samples:

Cuttings 0-300 ft

Cuttings 330-510 ft

Cuttings 550-1,260 ft

**TRUE OIL CO.**

**Panos Federal No. 44-33**

API no.: 27-033-05256

Permit no.: 439

Location: SE ¼ SE ¼ sec. 33, T14N, R61E

561 ft from south line, 559 ft from east line

Elevation: 6,047 ft

Completed: June 11, 1985

Status: P & A

Depth: 1,442 ft

Tops:

Surface Valley fill  
680 ft Pennsylvanian Ely Ls.

Logs:

Lithologic 0-1,391 ft

Samples:

Cuttings 0-300 ft

Cuttings 310-740 ft

Cuttings 770-1,390 ft

**TRUE OIL CO.**

**Pon Federal No. 44-14**

API no.: 27-033-05257

Permit no.: 440

Location: SE ¼ SE ¼ sec. 14, T14N, R61E

661 ft from south line, 517 ft from east line

Elevation: 6,139 ft

Completed: July 11, 1985

Status: P & A

Depth: 464 ft

Tops:

405 ft Pennsylvanian Ely Ls.

Samples:

Cuttings 0-440 ft

**TRUE OIL CO.**

**Roark Federal No. 12-10**

API no.: 27-033-05263

Permit no.: 474

Location: SW ¼ NW ¼ sec. 10, T13N, R61E

1,978 ft from north line, 666 ft from west line

Elevation: 6,064 ft

Completed: June 17, 1986

Status: P & A  
Depth: 2,600 ft (?)  
Tops (from PI):

100 ft Pennsylvanian Ely Ls.  
1,162 ft Mississippian Chainman Sh.  
1,295 ft Mississippian Diamond Peak #2 (?)  
1,532 ft Mississippian Diamond Peak #3 (?)  
2,600 ft Mississippian Joana Ls.

Logs:

Lithologic 0-2,600 ft

DI 925-2,418 ft

FDL/CNL 925-1,750 ft

Samples:

Cuttings 0-1,040 ft

Remarks: Lost circulation at approximately 1,040 ft and no returns thereafter.

**TRUE OIL CO.**

**Roark Federal No. 13-11**

API no.: 27-033-05264

Permit no.: 475

Location: NW ¼ SW ¼ sec. 11, T13N, R61E

3,300 ft from north line, 660 ft from west line

Elevation: 5,949 ft

Completed: May 30, 1986

Status: P & A

Depth: 2,400 ft

Tops:

Surface Pennsylvanian Ely Ls.  
1,650 ft Mississippian Chainman Sh./  
Diamond Peak Cgl.

Logs:

Lithologic 100-2,404 ft

CNL/FDC 312-2,401 ft

DI 312-2,398 ft

Samples:

Cuttings 370-2,400 ft

Remarks: Several oil shows were reported on lithologic log.

**TRUE OIL CO.**

**Shields Federal No. 13-22**

API no.: 27-033-05260

Permit no.: 460

Location: NW ¼ SW ¼ sec. 22, T13N, R61E

2,250 ft from south line, 400 ft from west line

Elevation: 5,929 ft

Completed: Feb. 19, 1986

Status: P & A

Depth: 9,125 ft

Tops:

Surface Quaternary valley fill  
800 ft Mississippian Chainman Sh.  
2,370 ft Mississippian Joana Ls.  
2,733 ft Devonian Pilot Sh.  
2,890 ft Devonian Guilmette Ls.  
4,850 ft Devonian Simonson Dol.  
5,378 ft Silurian Laketown Dol.  
6,809 ft Ordovician Fish Haven Dol.  
7,068 ft major fault  
7,068 ft Ordovician Pogonip Ls. (to TD)

Logs:

Lithologic 2,000-9,128 ft

TS 500-9,122 ft

DLL 2,024-9,110 ft

CNL/FDC 2,024-4,254 ft

BCHS 4,232-7,494 ft

Samples:

Cuttings 60-9,125 ft

Remarks: Reports of minor oil shows.

**WHITE PINE COUNTY (continued)**

**WITTER, GEORGE G., JR.**

**Jake's Wash Unit No. 1**

*API no.:* 27-033-05211

*Permit no.:* 152

*Location:* SW¼SE¼SW¼ sec. 4, T14N, R61E  
589 ft from south line, 1,937 ft from west line

*Elevation:* 6,180 ft

*Completed:* Oct. 21, 1971

*Status:* P & A

*Depth:* 2,603 ft

*Tops:*

1,850 ft

Mississippian Diamond Peak Fm.

*Remarks:* Water flow at 660 ft.

**WITTER, GEORGE G., JR.**

**Jake's Wash Unit No. 2**

*API no.:* 27-033-05215

*Permit no.:* 160

*Location:* center, NW¼SE¼ sec. 14, T14N, R60E  
1,980 ft from south line, 1,980 ft from east line

*Elevation:* 6,550 ft

*Completed:* Jan. 27, 1975

*Status:* P & A

*Depth:* 696 ft

*Remarks:* Severe caving problems; junk in hole. See nearby  
Texas American Oil Corp. Jakes Wash Unit No. 2A.



Trap Spring oil field, Railroad Valley, Nye County. Nevada Department of Minerals photo.